REQUEST

For receiving Office us only		
International Application No.		
International Filing Date		
Name of receiving Office and "PCT International App	plication"	

international application be processed according to the Patent Cooperation Treaty. Name of receiving Off		ffice and "PCT International Application"
	Applicant's or agent's (if desired) (12 charac	s file reference cters maximum) TAB/60239/001
Box No. I TITLE OF INVENTION Improvements in Substrates		
Box No. II APPLICANT This pe	erson is also inventor	
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of resi	of the address indicated in this	Telephone No.
De La Rue International Limited De La Rue House Jays Close Viables		Facsimile No. Teleprinter No.
Basingstoke		
Hampshire RG22 4BS United Kingdom		Applicant's registration No. with the Office
State (that is, country) of nationality: GB	State (that is, country) GB) of residence:
This person is applicant for the purposes of: all designated states all designated the Unite	nated States except d States of America	the United States of America only the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FUR		
Name and address: (Family name followed by given name; for a legal The address must include postal code and name of country. The country Box is the applicant's State (that is, country) of residence if no State of residenc	of the address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: GB	State (that is, country) GB	of residence:
This person is applicant all designated for the purposes of:	ated States except	the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicate		
Box No. IV AGENT OR COMMON REPRESENTATIVE	/E; OR ADDRESS FOR	CORRESPONDENCE
The person identified below is hereby/has been appointed to acof the applicant(s) before the competent International Authoriti	ct on behalf ies as:	agent common representative
Name and address: (Family name followed by given name; for a legal e The address must include postal code and name o BUCKS; Teresa Anne	entity, full official designation. f country.)	Telephone No. +44 (0)20 7430 7500
BOULT WADE TENNANT VERULAM GARDENS 70 GRAY'S INN ROAD	Facsimile No. +44 (0)20 7430 7600	
LONDON WC1X 8BT UNITED KINGDOM		Teleprinter No.
		Agent's registration No. with the Office
Address for correspondence: Mark this check-box whe space above is used instead to indicate a special address	re no agent or common rep to which correspondence s	resentative is/has been appointed and the hould be sent.



Box No. V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

Th	e foll	owing designations are hereby made u	nder Rule 4.9(a):					
Re	gion	al Patent	• • • • • • • • • • • • • • • • • • • •					
	_		I Gambia, KE Kenya, LS Lesotho, MW	Mal	awi M7 Mazambiana SD Sudan			
-	٠.	SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State of	United Republic of Tanzania, UG Uganda, of the Harare Protocol and of the PCT (if o	ZM Z ther k	ambia, ZW Zimbabwe, and any other ind of protection or treatment desired,			
X	EA	Specify on dotted line) Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT						
[2]	EP							
X	OA	GA Gabon, GN Guinea, GQ Equato TD Chad, TG Togo, and any other S	J Benin, CF Central African Republic, CG orial Guinea, GW Guinea-Bissau, ML Mal tate which is a member State of OAPI and a ecify on dotted line)	i, MR Cont	Mauritania, NE Niger, SN Senegal, tracting State of the PCT (if other kind			
Na	ition	al Patent (if other kind of protection of	or treatment desired, specify on dotted line):					
		United Arab Emirates		X N	IZ New Zealand			
			HR Croatia					
X	AL	Albania	HU Hungary					
X	AM	Armenia			L Poland			
			IL Israel	₩ P	T Portugal			
			IN India					
		Azerbaijan			U Russian Federation			
			JP Japan		Nussian redetation			
			KE Kenya					
	BC	Bulgaria	KG Kyrgyzstan	TET C	D Sudan			
[X]	DO	Drogil	KP Democratic People's Republic	100 S	D Sudan E Sweden			
		Belarus						
			KR Republic of Korea					
			KZ Kazakhstan					
		& LI Switzerland and Liechtenstein			•			
		China			J Tajikistan			
					M Turkmenistan			
					N Tunisia			
					R Turkey			
		Cuba		IN T	T Trinidad and Tobago			
		Czech Republic						
		Germany			Z United Republic of Tanzania			
<u> </u>					A Ukraine			
_			MD Republic of Moldova					
		Algeria			S United States of America			
			MG Madagascar					
			MK The former Yugoslav Republic of					
M	ES	Spain	Macedonia		C Saint Vincent and the Grenadines			
		Finland			N Viet Nam			
			MWMalawi					
			MX Mexico					
X	GE	Georgia	MZ Mozambique					
X	GH	Ghana	NO Norway	X Z	W Zimbabwe			
Ch	ack b	noves below reserved for designation of	tates which have become more to the DCT -	A:-	sugara of this short			
	CUK-D	oxes below reserved for designating Si	tates which have become party to the PCT a	iter is	suance of this sheet:			
			J					
Pro	caut	ionary Designation Statement: In a	ddition to the designations made above, the	annli	cant also makes under Rule 4 9(h) all			

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

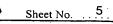
- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant:
- if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box No. iv

BAYLISS; Geoffrey Cyril BAVERSTOCK; Michael George Douglas ALLARD; Susan Joyce ALEXANDER: Thomas Bruce CROSS; Rupert Edward Blount **BUCKS**; Teresa Anne BALDOCK; Sharon Claire PLUCKROSE; Anthony William McLEISH; Nicholas Alistair Maxwell HAYES; Adrian Chetwynd MERRIFIELD; Sarah Elizabeth DRAPER; Martyn John FROST; Alex John SETNA; Rohan Piloo MURPHY; Colm Damien

Sheet No.		4

The priority of the following	g earlier application(s) is here	by claimed:		
Filing date Number Where earlier application is:				is:
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application receiving Office
item (1) 26/6/02	0214645.4	United Kingdom		
item (2)				
item (3)				
item (4)				
item (5)				
Further priority claims	are indicated in the Suppleme	ntal Box.		,
if the earlier application was	ested to prepare and transmit the filed with the Office which for the or	to the International Bureau the purposes of this interna	a certified copy of the e	arlier application(s) (only eceiving Office) identified
above as: all items item	(1) item (2)	item (3) item	(4) item (5)	other, see Supplemental Box
* Where the earlier applicati	on is an ARIPO application, in Tember of the World Trade Or	dicate at least one country	narty to the Paris Conve	ntion for the Protection of
	ember of the World Trade Or	ganization for which that e	application was ju	ea (Kuie 4.10(b)(ii)):
Box No. VII INTERNAT	TIONAL SEARCHING AUT	HORITY		
Choice of International Seinternational search, indicate	arching Authority (ISA) (if the two-	wo or more International S -letter code may be used):	earching Authorities are o	
Request to use results of ea	urlier search; reference to the			t by or requested from the
International Searching Auth Date (day/month/year)	ority): Numb	er Coun	try (or regional Office)	
Box No. VIII DECLARA	TIONS			
The following declarations check-boxes below and indica	are contained in Boxes Nos.	VIII (i) to (v) (mark the ap tiber of each type of declard	oplicable ation):	Number of declarations
Box No. VIII (i)	Declaration as to the identity	y of the inventor		:
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent			
Box No. VIII (iii)	Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :			
Box No. VIII (iv)	Declaration of inventorship United States of America)	o (only for the purposes of	the designation of the	:
Box No. VIII (v)	Declaration as to non-preju	dicial disclosures or exce	ptions to lack of novelty	:



Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No.VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

In relation to this international application

DE LA RUE INTERNATIONAL LIMITED is entitled to apply for an be granted a patent by virtue of an assignment from the inventor HARD; Steven John dated 11 June 2003.

This declaration is made for the purposes of all designations except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".



Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America) The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))

for the purposes of the designation	of the United States of America:				
I hereby declare that I believe I am the original, first and sole (if only is listed below) inventor of the subject matter which is claimed and	y one inventor is listed below) or joint (if more than one inventor for which a patent is sought.				
This declaration is directed to the international application of which					
This declaration is directed to international application No. PCT/ to Rule $26ter$).	(if furnishing declaration pursuant				
I hereby declare that my residence, mailing address, and citizenship	are as stated next to my name.				
of said application. I have identified in the request of said application, and I have identified below, under the heading "Prior Applications," Organization, day, month and year of filing, any application for a pate	I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.				
Prior Applications:					
•					
I hereby acknowledge the duty to disclose information that is 37 C.F.R. § 1.56, including for continuation-in-part applications, mat of the prior application and the PCT international filing date of the	ctial information which became available between the filing date				
I hereby declare that all statements made herein of my own knowledg are believed to be true; and further that these statements were made made are punishable by fine or imprisonment, or both, under Section false statements may jeopardize the validity of the application or an	with the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful				
Name: HARD; Steven John					
Residence: United Kingdom (city and either US state, if applicable, or country)					
Mailing Address: 70A Park Lane, Chippenham, Wiltshire, United	d Kingdom				
Citizenship: British					
Inventor's Signature: Solland	1. Ida/03 (provened)				
(if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: (1/06/03 (BATH-ORD) (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
	` <u>`</u>				
Name:	· · · · · · · · · · · · · · · · · · ·				
Residence: (city and either US state, if applicable, or country)					
Mailing Address:					
• • • • • • • • • • • • • • • • • • • •					
Citizenship:					
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
This declaration is continued on the following sheet, "Continuat	ion of Box No. VIII (iv)".				

Form PCT/RO/101 (declaration sheet (iv)) (March 2001, reprint January 2003)

See Notes to the request form

		7
Sheet	NI.	,

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in of ite right column the number of each item):					
request (including		fee calculation sheet	:		
declaration sheets) : 7	2. 🗶	original separate power of attorney	: 2		
description (excluding sequence listings and/or	3. 🗆	original general power of attorney	:		
tables related thereto)	4.	copy of general power of attorney; reference number.			
claims : 11	_	if any:	i i		
abstract : 1	5. 🗆	statement explaining lack of signature	:		
drawings 5	6. 🔲	priority document(s) identified in Box No. VI as item(s):	:		
Sub-total number of sheets: 24 sequence listings:	7.	translation of international application into (language):	: 1		
tables related thereto : (for both, actual number of	8.	separate indications concerning deposited microorganism or other biological material			
sheets if filed in paper form, whether or not also filed in	9. 🗆	sequence listings in computer readable form	•		
computer readable form; see (c) below)	(i)	(indicate type and number of carriers) copy submitted for the purposes of international search Rule 13ter only (and not as part of the international appropriate to	h under		
Total number of sheets : 24	(ii)	\square (only where check-box (b)(i) or (c)(i) is marked in left co	lumn)		
(b) only in computer readable form (Section 801(a)(i))		additional copies including, where applicable, the coppurposes of international search under Rule 13ter	:		
(i) ☐ sequence listings (ii) ☐ tables related thereto	(iii)	together with relevant statement as to the identity of the copies with the sequence listings mentioned in left co	he copy or lumn :		
(c) also in computer readable form (Section 801(a)(ii))	10.	tables in computer readable form related to sequence listi (indicate type and number of carriers)	ngs		
(i) sequence listings (ii) tables related thereto	(i)	copy submitted for the purposes of international searce Section 802(b-quater) only (and not as part of the interapplication)	ch under ernational		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii)	ditional copies including, where applicable, the coppurposes of international search under Section 802(b-	olumn) by for the		
sequence listings:	(iii)				
tables related thereto:	(111)	copies with the tables mentioned in left column	ie copy of :		
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11.	other (specify):			
Figure of the drawings which	Langua	ge of filing of the			
should accompany the abstract:	internati	onal application: ENGLISH			
Box No. X SIGNATURE OF APPLICAN Next to each signature, indicate the name of the person sig	T, AGEN	T OR COMMON REPRESENTATIVE expacity in which the person signs (if such capacity in which the person signs (if such capacity is not obvious from	m reading the request).		
[NAME OF REPRESENTATIVE]					
Chartered UK Patent Attorney/European P	atent Atto	ornev			
Boult Wade Tennant					
	For	000			
Date of actual receipt of the purported	FUI I	ecciving Office use only			
international application:			2. Drawings:		
			received:		
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:					
Date of timely receipt of the required corrections under PCT Article 11(2):	4. Date of timely receipt of the required corrections under PCT Article 11(2):				
5. International Searching Authority (if two or more are competent): ISA / 6. Transmittal of search copy delayed until search fee is paid					
For International Bureau use only					
Date of receipt of the record copy by the International Bureau:					
	_ <u></u>	<u> </u>	,		